

FORM PTO-1082

THE ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of  
Inventor(s): Duljit S. Malhi, et al.

For: WIRELESS COMMUNICATIONS SYSTEM HAVING VARIABLE GAIN MIXER

Enclosed are:

- ☒ (6) sheets of drawing.
- ☒ An assignment of the invention to International Business Machines Corporation, Armonk, New York.
- ☒ A Declaration and Power of Attorney.
- ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.2
- ☐ Claim to Right of Priority w/certified copy of \_\_\_ application no(s). \_\_\_.
- ☒ Information Disclosure Statement, PTO Form-1449, and 6 references.

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)
FOR:	No. Filed	No. Extra
Basic Fee		
Total Claims	20-20=	0
Indep Claims	5-3=	2
<input type="checkbox"/> Multiple Dependent Claim Presented		

\*If the difference in Col. 1 is less than zero,  
enter "0" in Col. 2.

## SMALL ENTITY

Rate	Fee
	\$355
x \$9	\$
x \$40	\$
+ \$135	\$
TOTAL	\$

OTHER THAN A  
SMALL ENTITY

OR	Rate	Fee
OR		\$710
OR	x \$18	\$0
OR	x \$80	\$160
OR	+ \$270	\$
OR	TOTAL	\$870

- ☒ Please charge my Deposit Account No. **09-0458 (IBM Corporation)** the amount of **\$870.00**. A duplicate copy of this sheet is enclosed. FI-446
- ☐ A check in the amount of \$ to cover the filing fee is enclosed.
- ☒ The Assistant Commissioner for Patents is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. **09-0458 (IBM Corporation)**. A duplicate copy of this sheet is enclosed. FI-446
- ☒ Any additional filing fees required under 37 CFR 1.16.
- ☒ Any patent application processing fees under 37 CFR 1.17.
- ☒ The Assistant Commissioner for Patents is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. **09-0458 (IBM Corporation)**. A duplicate copy of this sheet is enclosed. FI-446
- ☒ Any patent application processing fees under 37 CFR 1.17.
- ☐ The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).
- ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

INTERNATIONAL BUSINESS MACHINES CORPORATION  
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Respectfully submitted,

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pb  
EXPRESS MAIL Mailing Label Number: EF383029793US  
Date of Deposit: 8/2/01

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Karen Cinq-Mars  
Name of person mailing correspondence

Karen Cinq-Mars 8/2/01  
Signature of person mailing correspondence